

ONE HUNDRED AND FIFTH REPORT

*American Printing House  
for the Blind*

INCORPORATED

LOUISVILLE, KENTUCKY

For the Year Ending  
June 30, 1973



EX-  
LIBRIS

AMERICAN FOUNDATION  
FOR THE BLIND INC.

ONE HUNDRED AND FIFTH REPORT

of the

BOARD OF TRUSTEES

of the

**AMERICAN PRINTING HOUSE  
FOR THE BLIND**

INCORPORATED

Louisville, Kentucky

For the Year Ending June 30, 1973

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## SECRETARY'S PAGE

The Annual Meeting of the Board of Trustees of the American Printing House for the Blind convened at 12:30 p.m., October 30, 1973, at The Galt House, Louisville, Kentucky with following members present:

### CORPORATE TRUSTEES

Mr. John W. Barr, III, Louisville, Kentucky

Mr. Lyman C. Martin, Jr., Louisville, Kentucky

Special guests: Mr. J. McFerran Barr and Mrs. John B. McFerran, Jr., former members of the Corporate Board of Trustees.

### EX-OFFICIO TRUSTEES

Mr. Eugene Anthony, Consultant, Division for Exceptional Children, Department of Public Instruction, Raleigh, North Carolina.

Mr. Charles R. Borchert, Superintendent, North Dakota School for the Blind, Grand Forks, North Dakota.

Mr. R. C. Benton, Superintendent, Mississippi School for the Blind, Jackson, Mississippi.

Dr. Robert W. Bischoff, Principal, Utah School for the Blind; also representing the Utah State Board of Education, Ogden, Utah.

Miss Gloria Calovini, Director, IMC, Illinois State Department of Public Instruction, Springfield, Illinois.

Mr. Max D. Carpenter, Acting Superintendent, West Virginia Schools for the Deaf and the Blind, Romney, West Virginia.

Mr. Clay Coble, Superintendent, Tennessee School for the Blind, Nashville, Tennessee.

Mr. Samuel J. Cole, Superintendent, The Governor Morehead School, Raleigh, North Carolina.

Mr. Jules Coté, Consultant, Department of Education, New Hampshire Department of Education, Special Education Section, Concord, New Hampshire.

Mr. Don Donaldson, Principal, Washington State School for the Blind, Vancouver, Washington.

Mr. David P. Dorr, Supervisor, Special Education for Visually Handicapped, State of Maine, Augusta, Maine.

Mrs. Sherry H. Driggers, Consultant, Visually Handicapped, Office of Programs for the Handicapped, South Carolina State Department of Education, Columbia, South Carolina.

Mr. Bill J. Duckworth, Supervisor of Programs for Physically and Visually Handicapped, Division of Special Education, Indianapolis, Indiana.

Dr. Roger P. Elser, Director, Division of Special Education, West Virginia State Department of Education, Charleston, West Virginia.

Mr. William H. English, Superintendent, Wisconsin School for the Visually Handicapped, Janesville, Wisconsin.

Miss Marjorie J. Frye, Senior Supervisor of Visually Handicapped Children, Division of Special Education, Massachusetts Department of Education, Boston, Massachusetts.

Mr. Fred L. Gissoni, Supervisor, Kentucky Rehabilitation Center for the Blind, Louisville, Kentucky.

Mr. Robert A. Hansen, Superintendent, Texas School for the Blind, Austin, Texas.

Mr. Donald W. Herbel, Director of Special Education, Kansas State Department of Education, Topeka, Kansas.

Mrs. Isabella C. Holmes, Coordinator, Physical Handicaps, Special Education Program, Georgia State Department of Education, Atlanta, Georgia.

Mr. L. P. Howser, Superintendent, Kentucky School for the Blind, Louisville, Kentucky.



Mr. D. A. Hutchinson, Superintendent, Indiana School for the Blind, Indianapolis, Indiana.

Mr. Allen G. Jenkins, Administrator, Department of Rehabilitation, Orientation Center for the Blind, Albany, California.

Mr. Donald W. Johnson, Superintendent, Missouri School for the Blind, St. Louis, Missouri; also representing the Missouri State Department of Education.

Mrs. Janie Fox Jones, Chief Consultant, Texas Education Agency, Division of Special Education Administration, Austin, Texas.

Mr. Lee Jones, Superintendent, Georgia Academy for the Blind, Macon, Georgia.

Mr. Vahram Kashmanian, Director of Education Services, New Jersey Commission for the Blind, Newark, New Jersey.

Mr. Burton Lewis, Superintendent, Kansas State School for the Visually Handicapped, Kansas City, Kansas.

Miss Elinor H. Long, Supervisor, Programs for Visually Handicapped, Department of Education, Harrisburg, Pennsylvania.

Dr. William J. McClure, President, Florida School for the Deaf and the Blind, St. Augustine, Florida.

Mr. William J. McConnell, Superintendent, Virginia School at Hampton, Hampton, Virginia.

Mr. George N. McCrea, Superintendent, South Dakota School for the Visually Handicapped, Aberdeen, South Dakota.

Mr. Floyd J. McDowell, Superintendent, Montana State Department of Public Instruction, Great Falls, Montana.

Mr. Curtis L. McKee, Chief, Communications Department, Criss Cole Rehabilitation Center, Austin, Texas.

Mr. Raymond S. Myers, Specialist, Visually Handicapped Children, Oregon State Board of Education, Salem, Oregon.

Mr. D. W. Olson, Director, Overbrook School for the Blind, Philadelphia, Pennsylvania.

Mr. Andrew S. Papineau, State Supervisor, Division for Handicapped Children, Wisconsin State Department of Public Instruction, Madison, Wisconsin.

Mr. Thomas A. Patterson, Superintendent, New York State School for the Blind, Batavia, New York.

Mr. Frank S. Penland, Director, Education Services Department, Virginia Commission for the Visually Handicapped, Richmond, Virginia.

Mrs. Anna C. Perry, Educational Director, Royer Greaves School for Blind, Paoli, Pennsylvania.

Mr. J. R. Pope, Director, Division for Blind Multihandicapped, Murdoch Center, Butner, North Carolina.

Mr. Jerry Regler, Superintendent, Nebraska School for Visually Handicapped, Nebraska City, Nebraska.

Mr. Thomas H. Robeson, Unit Director for Programs for Mental Retardation, Kentucky State Department of Education, Division of Special Education, Frankfort, Kentucky.

Mr. John San Fratello, Associate in the Education of the Visually Handicapped, Bureau for Physically Handicapped Children, New York State Education Department, Albany, New York.

Miss Patricia J. Schliskey, Program Director, Plymouth Center for Human Development, Northville, Michigan.

Mr. W. Buck Schrotberger, Coordinator, CIMC/VH, Colorado Department of Education, Denver, Colorado.

Mr. Guru Sharma, Director, Upsal Day School for Blind Children, Philadelphia, Pennsylvania.

Mr. Joe R. Shinpaugh, Superintendent, Virginia School for the Deaf and the Blind, Staunton, Virginia.

Mr. H. Smith Shumway, Director, Services for the Visually Handicapped, Wyoming State Department of Education, Cheyenne, Wyoming.

Mr. Fred L. Sinclair, Consultant-in-Charge, CDVH/MTL, California State Department of Education, Sacramento, California.

Mr. Benjamin Smith, Director, Perkins School for the Blind, Watertown, Massachusetts.

Miss Marilyn Sorensen, Consultant, Vision and Physically Handicapped,  
Minnesota State Department of Education, St. Paul, Minnesota.

Mr. Vincent F. Svaldi, Superintendent, Minnesota Braille and Sight Saving  
School, Faribault, Minnesota.

Dr. Robert H. Thompson, Superintendent, Michigan School for the Blind,  
Lansing, Michigan.

Mr. Ed Tillingshast, Superintendent, Arizona State School for the Blind and  
the Deaf, Tucson, Arizona.

Dr. Armin G. Turechek, Superintendent, Colorado School for the Deaf and  
the Blind, Colorado Springs, Colorado.

Mr. N. F. Walker, Superintendent, South Carolina School for the Deaf and  
the Blind, Spartanburg, South Carolina.

Mr. Jerry Watkins, Superintendent, New Mexico School for the Visually  
Handicapped, Alamogordo, New Mexico.

Mr. Everett Wilcox, Superintendent, California School for the Blind, Berkeley,  
California.

Mr. William J. Wood, Program Director, Clover Bottom Hospital and School,  
Donelson, Tennessee.

Mr. J. M. Woolly, Superintendent, Arkansas School for the Blind, Little Rock,  
Arkansas.

Mr. Charles C. Woodcock, Superintendent, Iowa Braille and Sight Saving  
School, Vinton, Iowa.

Guests present were the following members of the Staff of  
the American Printing House for the Blind and Mr. Davis'  
secretary.

Robert L. Haynes, Data Processing Manager

Jane T. Kent, Office Manager

Carl W. Lappin, Director, IMC

Ralph E. McCracken, Editor

Hazel V. Maffet, Head, Magazine and Fund Raising Department

Carson Y. Nolan, Coordinator; Educational Research,  
Development and Reference Group

Howard Oliver, Head of Printing and Educational Aids

Cecile A. Maddux, Secretary to Mr. Davis

Following the luncheon, Mr. Davis announced that President  
Dabney was out of the Country and expressed regrets, in his  
behalf, that circumstances were such that he could not join with  
the group in Annual Meeting this year.

Mr. Davis introduced members of the Corporate Board and  
special guests seated at the head table and then asked all others  
in attendance to stand and announce his or her name and position  
held in the field of education of the blind.

The Reports of the President, Publications Committee, Educational  
Research Committee, Educational Aids Committee and the Vice President  
and General Manager were presented and, upon motion duly seconded  
and passed, were approved and ordered published in the Annual Report.

Mrs. Anna C. Perry, Chairman of the Nominating Committee, consisting of Mr. George N. McCrea and Mr. Frederick L. Sinclair and herself, placed in nomination the names of the following Ex-Officio Trustees, who were duly seconded and elected:

*Publications Committee:*

Miss Gloria Calovini, Director, Illinois State Department of Public Instruction  
— Chairman — 1 year.

Mr. John San Fratello, Associate in the Education of the Visually Handicapped, New York State Education Department — for a term of five years.

*Educational Research Committee:*

Mr. William H. English, Superintendent, Wisconsin School for the Visually Handicapped — Chairman — 1 year.

Mr. W. Buck Schrotberger, Coordinator, CIMC/VH. Colorado Department of Education — for a term of five years.

*Educational Aids Committee:*

Mr. William J. McConnell, Superintendent, Virginia School at Hampton — Chairman — 1 year.

Dr. Everett E. Wilcox, Superintendent, California School for the Blind — for a term of four years.

Mr. Vahram Kashmanian, Director of Education Services, New Jersey Commission for the Blind — for a term of five years.

Dr. Max Woolly mentioned that he had heard comments made during the meeting that Dr. Robert H. Thompson, Superintendent, Michigan School for the Blind; Mr. L. P. Howser, Superintendent, Kentucky School for the Blind; and, Dr. Armin G. Turecheck, Superintendent, Colorado School for the Deaf and the Blind, were planning to retire during the year ahead, and, perhaps would not be in attendance at the Annual Meeting next year and, in behalf of the group assembled, paid a special tribute to them expressing appreciation for their many years of service in the field of education and work for the blind, and wished them continued good health and much happiness in their retirement. Dr. Woolly also mentioned that he had had the honor of presenting Mr. Davis at the American Foundation for the Blind, New York, on October 25, when he received the distinguished Migel Award in recognition of outstanding service to the blind.

There being no further business, the Meeting adjourned at 2:15 p.m.

Respectfully submitted,

FINIS E. DAVIS, *Secretary*



## REPORT OF THE PRESIDENT

October 30, 1973

It is always a pleasure for me to welcome our Ex-Officio Trustees to the Annual Meeting. Your guidance given at these Annual Meetings contributes a very great deal to the success of the APH in meeting the educational needs of the blind children throughout the nation, under the Act, "To Promote the Education of the Blind." It is very satisfying to see such a fine representative group in attendance this year.

On behalf of the Corporate Board it is also my privilege to report that 1973 has, again, continued to show a decided increase in the services which the Printing House provides. For the first time in its history, the total value of products distributed passed the \$5-million mark, representing an increase of approximately \$500,000, or 10% over 1972. Five years ago, in 1968, Mr. Barr gave you a brief statistical review of our rapid growth in production and services to the blind during the past 10 to 15 years, I should like to up-date those figures for the past 15 to 20 years and present the following:

In 1953, the net worth of the institution was \$1,555,000; in 1958, \$2,350,000; in 1968, \$6,900,000; while the current net worth in 1973 is \$11,725,000.

The number of employees in 1953 was 180; in 1958, 234; in 1968, 468; today it is 586.

The value of products distributed in 1953 was \$775,000; in 1958, \$1,162,000; 1968, \$3,160,000; and in 1973, \$5,300,000.

The amount of quota appropriation from the Federal Government in 1953 was \$185,000 (providing a per capita of \$29.17 covering 6,343 pupils); in 1958, the quota appropriation was \$338,000 (with a per capita of \$30.23 covering 11,183 pupils); in 1968, the appropriation was \$1,350,000 (with a per capita of \$59.26 covering 19,575 pupils); while for 1972-73, the total appropriation was \$1,696,500, (with a per capita of \$71.75, covering 22,702 pupils).

In 1929, in cooperation with the Reader's Digest Association, the Printing House started producing a Braille edition of the Reader's Digest, the first nationally advertised magazine to be produced in Braille, and in 1939, we produced the first recorded edition of The Reader's Digest, which was the first recorded edition of a nationally advertised magazine to be made available to the blind.

In 1958, we were producing 3,500 copies of the recorded edition of The Reader's Digest, in 9-records, recorded at 33 $\frac{1}{3}$  r.p.m., at an annual cost of \$33.00 per subscription. In 1968, we were producing 10,000 copies, and currently we are producing 18,000 copies per month, recorded in 2-records, at 8 $\frac{1}{3}$  r.p.m., at a yearly price of \$11.00 per subscription. It is also our hope during the year ahead to produce the Reader's Digest on the less expensive flexible disc and supply each reader an individual copy on a monthly basis. The recorded edition of the Digest is being circulated through the regional libraries at present and it is estimated that 3 to 4 blind people read each copy produced. More than 3,000 copies of the Braille edition are produced each month and they are sent direct to individuals requesting them.

Similarly, in 1959, in cooperation with the publishers of Newsweek, the Printing House started recording a talking book edition of Newsweek Magazine, the first news magazine to be made available to the blind in recorded form. The initial production of 250 copies distributed through the regional libraries comprised four 12-inch records, recorded at 33 $\frac{1}{3}$  r.p.m., at a yearly cost of \$185.00 per subscription. Currently, we are producing 9,400 copies weekly, of a one-record edition, operating at 8 $\frac{1}{3}$  r.p.m., at a yearly cost of \$28.00 per subscription. During the year ahead it is planned to produce Newsweek on the less expensive flexible disc and supply each reader of Newsweek an individual copy direct from APH on a weekly basis.

While commenting on the Reader's Digest, I should like to pay tribute to Mr. and Mrs. DeWitt Wallace, co-founders of the Reader's Digest, and acknowledge our deep gratitude and appreciation to them and to the Reader's Digest Association for permitting the Printing House to include in our Reader's Digest Fund raising activities an Extension Fund which has made it

possible for us to extend our facilities to such a marked degree and to render a much greater service to the blind of this nation and of the world. Since 1947, more than \$2-million has been spent from the Extension Fund and other Printing House funds in providing additional facilities to serve the blind.

At this point, I should also like to say a word of special thanks to a generous public which has supported our Reader's Digest and Newsweek Funds in such a wonderful way over the years, in making possible these two nationally advertised magazines in a media the blind could enjoy, at a time when publications of this kind were not available to the blind.

This has been a year of continued expansion, not only in products manufactured and distributed, but in buildings and equipment as well. A contract was approved for the new second floor addition to the plant in March, which will provide an additional 28,000 square feet of floor space at a total cost of more than \$550,000, to be completed by January 1st. The new addition will be used for Electronic Assembly, Tape Cassette Duplicating, Model Shop and finished goods storage. Space vacated by some of these operations will be used immediately by other departments.

Five new production lines are being built for the manufacture of flexible records. Production capacity will be over one-million per month. Of course, many changes were necessary in both recording and electroplating to produce these records. Production of direct mail magazines on the new 9-inch flexible disc is expanding rapidly. Production now includes five magazines, and beginning with the October issues we are adding Music Journal, The Atlantic and Harper's Magazine. At this time, production will have reached over 100-thousand flexible records per month.

New high-speed cassette production equipment designed by Ampex Corporation to our specifications will be in use by January 1st. This will enable us to produce the first four-track  $1\frac{5}{16}$  inches per second cassettes manufactured to Library of Congress specifications. The Library of Congress indicates that this type of cassette will be used for talking books in the near future. Space for this expanded cassette production is being provided in

the building addition now nearing completion. Our existing cassette production facilities are being maintained.

We are also exploring an additional project which involves most talking book department functions. This is the production of a special talking book recorded edition of World Book Encyclopedia, in cooperation with Field Enterprises. Estimates are that 240 twelve-inch,  $8\frac{1}{3}$  r.p.m. stereo records will be required. This Encyclopedia is a direct result of application of principles developed by our Educational Research Department and the Talking Book Department under the Aural Study Grant. This publication of the Encyclopedia may well be the forerunner of many reference works in this format.

A special talking book reproducer is being developed for this system. Pre-manufacturing designs will be ready for field testing soon. The actual recording of early volumes of World Book has begun. Although we are in a pre-production stage, we are very optimistic about this endeavor and hope to see a recorded edition of World Book Encyclopedia a reality in less than two years.

The building addition when occupied will vacate space which will be used to expand the Computer Braille Translation Program. New automated stereograph machines are being built in the machine shop for that purpose, a new Braille Magazine press has been completed and ready to be put into production and a new collating machine has been approved as a further step in automating our Braille magazine production process. Additional plate-making facilities and two new presses have been added to our short-run large type department, increasing the capacity in this phase of our work.

We have faced many problems during the year, perhaps Mr. Davis will mention some of them in his report, but I am sure that all of you will agree with me that this has truly been an outstanding year of service, expansion and planning for the future.

In January of this year, Mr. John W. Barr, III, Vice Chairman of the Board, First National Bank, was elected to the Printing House Board of Trustees to succeed Mr. John B. McFerran,



Jr., who resigned effective June 30th last year, due to health problems. Mr. Barr represents the third generation of the Barr family to serve on the Printing House Board of Trustees. His grandfather served as President of the Board 1920-41. His father, J. McFerran Barr has served on the Board since 1941. Your Board of Trustees feels that it is indeed fortunate in having available a young man of the capacity and interest of John Barr to serve on the Board.

Unfortunately, Mr. J. McFerran Barr who served on this Board for 32-years and as President for six years (1963-69); expressed a desire to resign, effective June 30, to lighten his load and make room for a younger person to serve. His resignation was accepted with sincere regrets. I said then, and I'll say it again, that I do not have adequate words to express what this man has meant to the success of the Printing House. We are very grateful to Mr. Barr for his many years of outstanding leadership.

July 1st, this year, five of our loyal and dedicated employees retired under the Revised Retirement Plan, two of whom were members of the staff, or division managers. Miss Marjorie S. Hooper, Editor, who had been employed at APH for more than 40-years; and, Mr. Virgil E. Zickel, Plant Manager, who had been employed for 27-years. The experience and services of these dedicated employees will be sorely missed. We wish them well in their retirement.

In closing, I should like to thank the Board of Trustees for their help and encouragement to the administration of the Printing House and to extend to Mr. Davis and his staff and employees, our great appreciation for the work they have accomplished during the past year.

Respectfully submitted,

WATSON B. DABNEY, *President*



## REPORT OF THE VICE PRESIDENT AND GENERAL MANAGER

October 30, 1973

It is always a pleasure to welcome our Ex-Officio Trustees to our Annual Meetings. Some of you are here today for the first time; many others have been with us often. I hope it has been possible during these past few days for you to communicate with us to your satisfaction, and that what we have tried to communicate to you has been meaningful in your work. Having our Ex-Officio Trustees with us for a period of time each year is the biggest resource the Printing House Staff and I have in helping us to help you. Thank you for being with us.

Fiscal 1972-73 has been an unusual and difficult year in the operation of the Printing House. However, as Mr. Dabney has mentioned, it has been our greatest year in the amount of products distributed and services rendered. This is the first year since I have been at the Printing House, in more than 25-years, that we operated most of the year under a Congressional Resolution limiting our Federal funds under the Act, "To Promote the Education of the Blind", to the level of the previous year's appropriation. The Printing House appropriation is included as a part of the overall Department of Health, Education, and Welfare appropriation. During the year, the Congress passed two HEW appropriation bills and both were vetoed by the President, and sustained by the Congress, but in the end the Printing House received the full amount of appropriation requested, for which we are indeed grateful.

Sorry we were not in position to advise the State Departments and Schools, early in the year, what the quota allocation would be and regret any inconvenience you have experienced in not being able to supply some of the special materials needed by the visually handicapped boys and girls under your jurisdiction during the school year.

The APH appropriation for 1973-74 now pending before the Congress is in the amount of \$1,817,500 which, when taken together with the \$10,000 permanent appropriation, will provide a per capita of \$72.30 for 24,196 children registered as of

the first Monday in January 1973, by the various schools educating blind children throughout the United States, its territories and possessions, and \$77,500 for administration of the Act and travel expenses of Advisory Committees and field representatives. Just as soon as the appropriation has been approved by the Congress, and signed by the President, you will be advised of your quota allocation for 1973-74. In the meantime, we will continue to operate under Congressional Resolution limiting quota funds to last year's appropriation level.

Last year, I reported we were experiencing difficulty in keeping an even-flow of production moving through the plant due to our inability to secure equipment and materials when needed. Due to further controls, restrictions, shortages of materials and increased cost, etc., this year has been even more difficult. However, with the understanding cooperation of our suppliers and our dedicated staff and employees we have, in large measure, been able to meet our commitments. Supplies of some materials such as paper products and plastics are becoming more critical each week. We are being required to place orders far in advance, buy at higher cost and in larger quantities than ever before. It could be, during the year ahead, that we will not be able to secure sufficient materials to meet production schedules.

Our Corporate Board has taken major steps to provide additional space and equipment at an approximate cost of \$1,000,000, in planning for an expanded and more efficient operation in the future. The new second floor addition to the plant is in final stages of completion and should be completed with most of the production equipment installed ready for use in January 1974. When the electronic and tape duplicating equipment has been installed in the new facilities we will be using the new format which provides tape masters with recorded material of 88-minutes in length, which can produce either 8 $\frac{1}{2}$  r.p.m., 10-inch talking book records or cassettes at the new speed of  $1\frac{5}{16}$  inches per second. Appropriate announcements are being recorded on these tape masters for use in either final form without additional editing. All studio recorders have been converted to half-track and additional tone signal equipment has been designed and installed.

Having completed two of the five new production lines being built for the manufacture of flexible records, it is our feeling

that we have provided the necessary facilities and at least most of the equipment necessary to meet the demand for recorded materials in the various forms for the next eight to ten years.

Space being vacated by the Electronics Assembly Department is being made available for expansion in the Computer Braille Translation Program. During the year we have been building, in our machine shop, additional automatic stereograph machines and adapting IBM Card Readers for this purpose. It is our hope with this additional Braille production capacity available that we can render a far greater service in producing more of the individual needs in the various states. The Data Processing Department is also investigating the possibility of producing limited copies of computer embossed Braille.

The Braille platen magazine press has been completed, thoroughly tested, and installed for operation. We have also placed in production a Chandler and Price platen press with an automatic feeder to facilitate embossing magazine covers and eliminating the problem of wrinkles occurring in the brailled area. The Board of Trustees has approved the purchase of a new automated collating machine which can be adapted for Braille and it is our hope that this equipment can be secured, adapted, and placed in operation in the magazine department during the year ahead.

Two new offset presses and a 3-M Platemaker have been added to our equipment for the production of short-run large type materials. We have experienced a rather large increase in orders for this type of material in the last few months and it is our hope that this additional equipment will make it possible for us to reduce the delivery date after receipt of orders on this type of seasonal demand. We have produced over 400 short-run large type titles this year.

Our Instructional Materials Reference Center, which is a part of the National IMC/RMC Network, continues to be of great use to the field. During the past year it has:

a) Handled more than 6,000 inquiries and over 25,000 intentions and completions from volunteers, in our effort to provide information as to location and availability of needed textbooks for blind students.

b) Has produced and/or distributed some twenty special

publications of interest to educators of the visually handicapped, including one edition of the Central Catalog of volunteer produced Braille, Large Type and recorded textbooks.

c) Has participated in some fifty teacher-training programs, workshops, and special conferences which have included presentations concerning services of the APH and IMC.

Our educational research and development effort, funded through our IMRC as well as other grants, continued research and development activities, with continuing focus on usable products for students and teachers. Among those originating this year were a program including maps to teach entry level map concepts and skills, two levels of Listen and Think, two forms each in Braille and large type of the new Stanford Achievement Tests and test of Academic skills with manuals, a revised mobility kit with lesson plans for use in academic curricular areas, as well as mobility, two sets of reading readiness materials, two sensory motor readiness aids, Braille remedial reading materials and three bibliographies for researchers. Another very exciting activity was exploring application of the Aural Study System to development of a recorded encyclopedia.

The Data Processing Department, in cooperation with the Library of Congress Division for the Blind, completed its second year of work in research into computer-assisted translation of Braille music in June of this year. An important part of Phase II was the installation of a music input machine, which in essence, is a music typewriter interfaced with a standard card punch machine. As music is typed, codes corresponding to both the character set and their placement on the music staff are punched into machine readable cards.

Developing and testing music translation programs has emphasized the large amount of processing required to put ink-print music into Braille. The programs to produce Braille from type music requires about 350,000 characters of computer storage. This may be compared to the programs for translating library books and textbooks into Grade 2 Braille which requires a computer capacity of approximately 75,000 characters. "40 Progressive Etudes for Trombone", by Sigmund Herring, published by Carl Fischer, marks the first Braille music to be translated and embossed via the 826 system — the music typewriter-to-card punch device and its associated computer programs.



The volume of work in the Editorial Department increased dramatically during the year. The stereograph department, which is supervised by the Editorial Department, embossed approximately 170,000 Braille plates; over 50 per cent of these were embossed by computer assisted stereograph machines.

The Vacuumform Braille service and short-run large type service have grown at a rapid pace. We now have an inventory of over 1,100 Braille masters, 150 of which we acquired this year. In addition to the 400 short-run large type titles produced this year, we have produced 110 titles of regular-run large type.

In 1972-73, we published new catalogs for Vacuumform Braille, short-run large type, regular-run large type, Braille, talking books and cassette tapes, as well as a supplement to the Braille music catalog. Members of the Editorial Staff have also visited schools for the blind, state departments of education, commissions and agencies for the blind and attended professional meetings involving education and work for the blind.

Our Fund Raising and Magazine Circulation Department has been unusually active during the year. Contributions to the Reader's Digest Fund for the Blind and the Newsweek Talking Magazine Fund for the Blind remained about the same; however, we did increase slightly the number of appeals sent. We are indeed grateful to a generous public for their continued support of these very popular special projects for the blind.

More Library of Congress magazines are being sent direct to individuals rather than being circulated through the libraries. All Braille magazines produced for the Library of Congress are being sent direct to users. Production of direct mail magazines on the new 9-inch flexible discs was expanded during the year. The change in method of distribution will increase the work load in the production department as well as in maintaining the mailing list, but will greatly improve reader service to the blind.

I am sorry to report that Mr. J. McFerran Barr, a member of the Board of Trustees since 1941 and who served as President 1963-69, resigned effective June 30. Mr. Barr gave unselfishly of his thought, his efforts, and his competence to the Printing House during his 26-years as a member of the Board and six years as its President. His tenure of service was a



period of great growth and progress in the expansion of facilities and services to the blind. Mr. Barr is recognized as one of Louisville's outstanding citizens and his influence on the Printing House will be felt for many years to come.

I am also sorry to report that Miss Marjorie S. Hooper, our Editor, who had been at APH for more than 40-years and Mr. Virgil E. Zickel, Plant Manager for 27 years, and three other loyal and dedicated employees retired under our Revised Retirement Plan, effective July 1. They were honored by our Staff and employees with mixed emotion; sadness, because their long tenure of service was ending; joy, that they would have more leisure time to do the things they would like to do. They too, have left an imprint not only on APH, but in the field of Education and work for the blind throughout the United States.

We welcome to our Staff, Mr. Ralph McCracken and Mr. Howard Oliver. Mr. McCracken succeeded Miss Hooper as Editor. He is a former teacher at the Western Pennsylvania School for the Blind and for the past few years Assistant Editor and Field Representative at APH. Mr. Oliver succeeded Mr. Zickel as Head of Printing and Educational Aids. Mr. Oliver has been an employee at APH for more than 20-years and for the past few years has been Development Engineer. We wish them well in their new assignments.

I am also pleased to welcome Mr. John W. Barr, III, Vice Chairman of the Board, First National Bank, as a new member of the Corporate Board of Trustees. We are delighted that such a busy person as Mr. Barr is willing to share his time and efforts with us in extending leadership to APH as we look to the future.

In closing, I should like to extend my sincere thanks to Mr. Dabney and members of the Corporate Board, the Ex-Officio Trustees and our loyal and dedicated staff and employees for their understanding cooperation in making 1972-73 a year of success.

Respectfully submitted,

FINIS E. DAVIS  
*Vice President and  
General Manager*

## REPORT OF THE PUBLICATIONS COMMITTEE

October 30, 1973

The Publications Committee convened on Sunday, October 28, 1973, at 1:30 p.m. Greetings were extended by Finis E. Davis, Vice President & General Manager. Miss Gloria Calovini, Chairman of the Committee, asked those involved in the selection process to introduce themselves. Minutes of last year's meeting were approved as mailed.

Mr. Ralph McCracken, Editor, read the 1973 report of the Editorial Dept. which was accepted by the Committee.

Primary and Secondary lists of 81 titles were presented by Mr. Carl W. Lappin, Textbook Consultant. Both lists, which will be included in the published report, were approved by the Committee with the following recommendations:

1. Preparation of the math series should give priority attention to grades 3 - 4 and grades 9 - 12.
2. The two books which relate to the metric system should receive high priority.
3. Mr. McCracken was instructed to work with the Library of Congress in the publication of the Braille and/or recorded edition of the *Standard First Aid & Personal Safety*.
4. APH staff was requested to use their own professional discretion in establishing priorities for other titles on the list.

Two requests were initiated from the field — the weekly magazine, "*Read*" and a cookbook for blind adults. Mr. Lappin was asked to respond indicating the reason neither request could be honored.

The Committee rescinded action which had been taken last year relative to the Braille edition of levels 2 & 3 of *English Around the World* (English As A Second Language) due to

editorial and production limitations. The APH staff was requested to seek possible replacement titles for next year. They were further asked to investigate titles in the areas of public school music, English grammar for the non-college bound student as well as vocational education and industrial arts.

A discussion involving both the Committee and the observers ensued concerning the limitations of short-run large type production. APH staff was asked to continue to investigate ways to expedite the process to insure the delivery of books to children when they are needed.

There being no further business the meeting was adjourned at 4 p.m.

Respectfully submitted,

GLORIA CALOVINI, *Chairman*

PRIMARY LIST  
LIST OF BOOKS FOR PRESENTATION TO  
PUBLICATIONS COMMITTEE FOR ADOPTION  
BRAILLE AND LARGE TYPE

October 1973

HEATH SCIENCE SERIES:

- SCIENCE FOR HERE AND NOW. Schneider, Herman and Nina Schneider, D. C. Heath and Company, 1973, Grade: 2
- SCIENCE FAR AND NEAR. Schneider, Herman and Nina Schneider, D. C. Heath and Company, 1973, Grade: 3
- SCIENCE IN YOUR LIFE. Schneider, Herman and Nina Schneider, D. C. Heath and Company, 1973, Grade: 4
- SCIENCE IN OUR WORLD. Schneider, Herman and Nina Schneider, D. C. Heath and Company, 1973, Grade: 5
- SCIENCE FOR TODAY AND TOMORROW. Schneider, Herman and Nina Schneider, D. C. Heath and Company, 1973, Grade: 6

NEW DIRECTIONS IN ENGLISH SERIES:

- NEW DIRECTIONS IN ENGLISH: CODES AND CLASSIFICATIONS. Anderson, Freeman B., et al., Harper and Row, 1973, Grade: 3
- NEW DIRECTIONS IN ENGLISH: DIFFERENCES AND DISCOVERIES. Anderson, Freeman B., et al., Harper and Row, 1973, Grade: 4
- NEW DIRECTIONS IN ENGLISH: EVIDENCE AND EVALUATION. Anderson, Freeman B., et al., Harper and Row, 1973, Grade: 5
- NEW DIRECTIONS IN ENGLISH: FACTS AND FLIGHTS OF FANCY. Anderson, Freeman B., et al., Harper and Row, 1973, Grade: 6

BASIC GOALS IN SPELLING SERIES:

- BASIC GOALS IN SPELLING: LEVEL 2 (WORKBOOK EDITION). Kottmeyer, William and Audrey Claus, McGraw-Hill, 1972, Grade: 2
- BASIC GOALS IN SPELLING: LEVEL 3 (WORKBOOK EDITION). Kottmeyer, William and Audrey Claus, McGraw-Hill, 1972, Grade: 3
- BASIC GOALS IN SPELLING: LEVEL 4 (WORKBOOK EDITION). Kottmeyer, William and Audrey Claus, McGraw-Hill, 1972, Grade: 4
- BASIC GOALS IN SPELLING: LEVEL 5 (WORKBOOK EDITION). Kottmeyer, William and Audrey Claus, McGraw-Hill, 1972, Grade: 5
- BASIC GOALS IN SPELLING: LEVEL 6 (WORKBOOK EDITION). Kottmeyer, William and Audrey Claus, McGraw-Hill, 1972, Grade: 6
- BASIC GOALS IN SPELLING: LEVEL 7 (WORKBOOK EDITION). Kottmeyer, William and Audrey Claus, McGraw-Hill, 1972, Grade: 7
- BASIC GOALS IN SPELLING: LEVEL 8 (WORKBOOK EDITION). Kottmeyer, William and Audrey Claus, McGraw-Hill, 1972, Grade: 8

ADVENTURES IN LITERATURE SERIES: CLASSIC EDITION:

- ADVENTURES IN READING. Connolly, Francis X.; Joyce Stribling Stewart, et al., Harcourt Brace Jovanovich, 1973, Grade: 9
- ADVENTURES IN APPRECIATION. Perrine, Laurence; Robert Jameson, et al., Harcourt Brace Jovanovich, 1973, Grade: 10
- ADVENTURES IN AMERICAN LITERATURE. Early, James; Robert Freier, et al., Harcourt Brace Jovanovich, 1973, Grade: 11
- ADVENTURES IN ENGLISH LITERATURE. McCormick, Paul; Winifred Post, et al., Harcourt Brace Jovanovich, 1973, Grade: 12
- ADVENTURES IN MODERN LITERATURE. Freier, Robert; Elizabeth Hardwick, et al., Harcourt Brace Jovanovich, 1970, Grade: 11 and/or 12
- ADVENTURES IN WORLD LITERATURE. Applegate, James; Gordon Browne, et al., Harcourt Brace Jovanovich, 1970, Grade: 11 and/or 12

ADDISON-WESLEY MATHEMATICS SERIES:

- SCHOOL MATHEMATICS I. Eicholz, R. E.; P. G. O'Daffer, et al., Addison-Wesley Publishing Company, 1971, Grade: 7
- SCHOOL MATHEMATICS II. Eicholz, R. E.; P. G. O'Daffer, et al., Addison-Wesley Publishing Company, 1971, Grade: 8
- ALGEBRA. Johnson, R. E.; L. L. Lendsey, et al., Addison-Wesley Publishing Company, 1971, Grade: 9
- ALGEBRA AND TRIGONOMETRY. Johnson, R. E.; L. L. Lendsey, et al., Addison-Wesley Publishing Company, 1971, Grade: 10
- GEOMETRY. Moise, E. E. and F. L. Downs, Addison-Wesley Publishing Company, 1971, Grade: 11/12
- BUSINESS AND CONSUMER MATHEMATICS. Saake, Thomas F., Addison-Wesley Publishing Company, 1973, Grade: 9-12
- INVESTIGATING SCHOOL MATHEMATICS: BOOK 3. Eicholz, Robert E.; Phares G. O'Daffer and Charles R. Fleenor, Addison-Wesley Publishing Company, 1973, Grade: 3
- INVESTIGATING SCHOOL MATHEMATICS: BOOK 4. Eicholz, Robert E.; Phares G. O'Daffer and Charles R. Fleenor, Addison-Wesley Publishing Company, 1973, Grade: 4
- INVESTIGATING SCHOOL MATHEMATICS: BOOK 5. Eicholz, Robert E.; Phares G. O'Daffer and Charles R. Fleenor, Addison-Wesley Publishing Company, 1973, Grade: 5
- INVESTIGATING SCHOOL MATHEMATICS: BOOK 6. Eicholz, Robert E.; Phares G. O'Daffer and Charles R. Fleenor, Addison-Wesley Publishing Company, 1973, Grade: 6
- EXPLORING THE METRIC SYSTEM. Kempf, Albert F. and Thomas J. Richards, Laidlaw Brothers, 1973, Grade: Ungraded
- USING THE METRIC SYSTEM. Richards, Thomas J. and Albert F. Kempf, Laidlaw Brothers, 1973, Grade: Ungraded



STANDARD FIRST AID AND PERSONAL SAFETY. American Red Cross, American Red Cross, 1973, Grade: 8-Adult

STUDY LESSONS IN CIVICS. (7 Booklets). Ball, Grant T. and Less J. Rosch, Follett Publishing Company, 1971, Grade: 8-9-10, Reading Level: 6-8

STUDY LESSONS ON DOCUMENTS OF FREEDOM. (7 Pamphlets). Abramowitz, Jack, Follett Publishing Company, Grade: High School, Reading Level: 6-8

ECONOMICS: PRINCIPLES AND APPLICATIONS. Kennedy, John W., et al., South-Western Publishing Company, 1972, Grade: High School

#### SPECIFIC SKILL SERIES:

DETECTING THE SEQUENCE A-F. (6 Booklets). Boning, Richard A., Barnell Loft, Ltd., 1973, Grade: 1-6

#### CAREER EDUCATION SERIES:

RETAIL SALESCLERK, YARDGOODS. Follett Educational Corporation, 1967

PAYCHECK. Follett Educational Corporation, 1967

ACCENT/THE WORLD OF WORK: YOU AND YOUR PAY. Dare, Beatrice F.; Wolfe, Edward J., Follett Educational Corporation, 1967

ACCENT/THE WORLD OF WORK: YOU AND YOUR OCCUPATION. Dare, Beatrice F.; Wolfe, Edward J., Follett Educational Corporation, 1966

ACCENT/THE WORLD OF WORK: KEEPING THAT JOB. Dare, Beatrice F.; Wolfe, Edward J., Follett Educational Corporation, 1967

ACCENT/THE WORLD OF WORK: GETTING THAT JOB. Dare, Beatrice F.; Wolfe, Edward J., Follett Educational Corporation, 1966

ACCENT/JOB MODELS: SERVICE STATION ATTENDANT. Dare, Beatrice F.; Wolfe, Edward J., Follett Educational Corporation, 1968

## SECONDARY LIST

#### NEW OPEN HIGHWAYS SERIES:

MORE POWER. Johnson, Ida Mae; Alfonso R. Ramirez, et al., Scott, Foresman and Company, 1974, Grade: 2<sup>1</sup>

MORE POWER (READ AND WRITE). Johnson, Ida Mae; Alfonso R. Ramirez, et al., Scott, Foresman and Company, 1974, Grade: 2<sup>1</sup>

MOVING AHEAD. Johnson, Ida Mae; Alfonso R. Ramirez, et al., Scott, Foresman and Company, 1974, Grade: 2<sup>2</sup>

MOVING AHEAD (READ AND WRITE). Johnson, Ida Mae; Alfonso R. Ramirez, et al., Scott, Foresman and Company, 1974, Grade: 2<sup>2</sup>

SPLENDID JOURNEY. Johnson, Ida Mae; Alfonso R. Ramirez, et al., Scott, Foresman and Company, 1974, Grade: 3<sup>1</sup>

SPLENDID JOURNEY (READ AND WRITE). Johnson, Ida Mae; Alfonso R. Ramirez, et al., Scott, Foresman and Company, 1974, Grade: 3<sup>1</sup>

SPEEDING AWAY. Johnson, Ida Mae; Alfonso R. Ramirez, et al., Scott, Foresman and Company, 1974, Grade: 3<sup>2</sup>

SPEEDING AWAY (READ AND WRITE). Johnson, Ida Mae; Alfonso R. Ramirez, et al., Scott, Foresman and Company, 1974, Grade: 3<sup>2</sup>

SEEKING ADVENTURE. Johnson, Ida Mae; Alfonso R. Ramirez, et al., Scott, Foresman and Company, 1973, Grade: 4

SEEKING ADVENTURE (SKILLBOOK). Johnson, Ida Mae; Alfonso R. Ramirez, et al., Scott Foresman and Company, 1973, Grade: 4

DISCOVERING TREASURE. Johnson, Ida Mae; Alfonso R. Ramirez, et al., Scott, Foresman and Company, 1973, Grade: 5

DISCOVERING TREASURE (SKILLBOOK). Johnson, Ida Mae; Alfonso R. Ramirez, et al., Scott, Foresman and Company, 1973, Grade: 5

EXPLORING AFAR. Johnson, Ida Mae; Alfonso R. Ramirez, et al., Scott, Foresman and Company, 1973, Grade: 6

EXPLORING AFAR (SKILLBOOK). Johnson, Ida Mae; Alfonso R. Ramirez, et al., Scott, Foresman and Company, 1973, Grade: 6

#### AMERICA READS SERIES:

OUTLOOKS THROUGH LITERATURE. Farrell, Edmund James; James L. Pierce, Mabel H. Pittman and Jesse Hilton Stuart, Scott, Foresman and Company, 1973, Grade: 9

EXPLORING LIFE THROUGH LITERATURE. Farrell, Edmund James; Thomas E. Gage, John Pfordresher and Raymond J. Rodrigues, Scott, Foresman and Company, 1973, Grade: 10

UNITED STATES IN LITERATURE. (Glass Menagerie Edition). Miller, James E., Jr.; Robert Hayden and Robert O'Neal, Scott, Foresman and Company, 1973, Grade: 11

ENGLAND IN LITERATURE. (Macbeth Edition). Miller, James E., Jr.; Myrtle J. Jones and Helen McDonnell, Scott, Foresman and Company, 1973, Grade: 12

#### HEATH ENGLISH SERIES:

COMMUNICATING: BOOK 2. Botel, Morton and John Dawkins, D. C. Heath and Company, 1973, Grade: 2

COMMUNICATING: BOOK 3. Botel, Morton and John Dawkins, D. C. Heath and Company, 1973, Grade: 3

COMMUNICATING: Book 4. Botel, Morton and John Dawkins, D. C. Heath and Company, 1973, Grade: 4

COMMUNICATING: BOOK 5. Botel, Morton and John Dawkins, D. C. Heath and Company, 1973, Grade: 5

COMMUNICATING: BOOK 6. Botel, Morton and John Dawkins, D. C. Heath and Company, 1973, Grade: 6

SCOTT, FORESMAN GALAXY PROGRAM:

THRUST: Pooley, Robert C.; Stephen Dunning, et al., Scott, Foresman and Company, 1969, Grade: 7

FOCUS: Pooley, Robert C.; Stephen Dunning, et al., Scott, Foresman and Company, 1969, Grade: 8

VANGUARD: Pooley, Robert C.; Virginia Belle Lowers, et al., Scott, Foresman and Company, 1967, Grade: 9

PERSPECTIVES: Pooley, Robert C.; Alfred H. Grommon, et al., Scott, Foresman and Company, 1969, Grade: 10

ACCENT: EACH HIS OWN. Pooley, Robert C., Alfred H. Grommon, et al., Scott, Foresman and Company, 1972, Grade: 11

COMPASS: Davis, Lee; Elmer E. Moore, Jr., et al., Scott Foresman and Company, 1971, Grade: 12

SPECTRUM MATHEMATICS SERIES:

SPECTRUM MATHEMATICS SERIES: RED BOOK. France, Norman and Betty T. Clarke, Laidlaw Brothers, 1973, Level: 3

SPECTRUM MATHEMATICS SERIES: ORANGE BOOK. France, Norman and Betty T. Clarke, Laidlaw Brothers, 1973, Level: 4

SPECTRUM MATHEMATICS SERIES: YELLOW BOOK. France, Norman and Betty T. Clarke, Laidlaw Brothers, 1971, Level: 5

SPECTRUM MATHEMATICS SERIES: GREEN BOOK. France, Norman and Betty T. Clarke, Laidlaw Brothers, 1973, Level: 6

SPECTRUM MATHEMATICS SERIES: BLUE BOOK. France, Norman and Betty T. Clarke, Laidlaw Brothers, 1973, Level: 7

SPECTRUM MATHEMATICS SERIES: PURPLE BOOK. France, Norman and Betty T. Clarke, Laidlaw Brothers, 1971, Level: 8

# REPORT OF THE EDUCATIONAL RESEARCH AND DEVELOPMENT COMMITTEE

October 30, 1973

The Annual Meeting of the Educational Research and Development Committee was held on the morning of October 29, 1973 at the American Printing House for the Blind. All members of the committee were present. These included Miss Elinor Long, Mr. Clay Coble, Mr. Samuel Cole, Mr. Fred Sinclair, and the Chairman, Mr. William English.

Following opening remarks relative to procedures, the report of the Educational Research and Development Group was given by Dr. Carson Nolan, Coordinator of the Educational Research, Development, and Reference Group. The following is an outline of work completed during the 1973 Fiscal Year.

- A. Aural Study Systems for the Visually Handicapped/Facilitating Listening as a Medium for Education of the Visually Impaired
  - 1. Completion of system development and evaluation reports
  - 2. Completion of guide to effective study through listening
  - 3. Reference Application study
  - 4. Exploration and development of index systems for open reel and cassette tape recordings
- B. Basic Research in Tactual Perception
  - 1. The effects of tactual noise on locating point symbols and tracking on a tactual map
  - 2. Tactual symbol legibility study
  - 3. Map scanning study
- C. Educational Materials Research and Development Sup-

ported through the Instructional Materials Reference Center

1. Science program
  - a. Introductory simple machines development
  - b. The light probe evaluation
  - c. Pull-apart cell evaluation
  - d. Dial thermometer instructional unit evaluation
2. Mathematics program
  - a. Tactile ruler evaluation
  - b. Geometric forms evaluation
3. Social Studies
  - a. Introductory map reading materials development and evaluation
  - b. Simplified continental relief maps evaluation
4. Materials for the multihandicapped visually impaired
  - a. Elementary auditory and oral language skills
    1. Adaptation of the "Listen and Think" materials, Levels B and D
    2. Questionnaire survey on audiolinguistic skills development
    3. Workshop on early audiolinguistic development
  - b. Sensory-motor readiness materials
    1. First Peg Kit evaluation
    2. Sensory Cylinders evaluation
    3. Audio-Cards evaluation
    4. Monitoring of commercially available elementary sensory-motor readiness materials
5. Primary Braille reading materials
  - a. Completion of developmental reading readiness program—*A Tactual Road to Reading*
  - b. Development of Tactile Aids to Reading
  - c. Development of tactual discrimination worksheets



6. Other IMRC educational materials research and development
    - a. Development of an instructional kit for Braille code recognition materials
    - b. Study of the Chang Mobility Kit
  7. Educational measurement
    - a. Adaptation of Stanford Achievement Test, Forms A and B
    - b. Adaptation of Test of Academic Skills, Forms A and B
    - c. Test advisory group meeting
- D. Bibliographies Published during Fiscal 1973
1. Bibliography of Research on the Visually Handicapped, 1953-1971
  2. Bibliography of Research on Braille
  3. Bibliography of Research on Large Type Reading

The committee members and those assembled wish again to commend Mr. Davis, Dr. Nolan, and their staff associates for another extremely profitable year in research and development of educational materials for visually handicapped children. We also wish to commend the Trustees of the American Printing House for the Blind for making these efforts and results possible.

Respectfully submitted,

WILLIAM H. ENGLISH, *Chairman*

## REPORT OF THE EDUCATIONAL AIDS COMMITTEE

October 30, 1973

The meeting of the Educational Aids Committee of the American Printing House for the Blind convened at 2:15 p.m. on Monday, October 29, 1973. Members of the committee present were: Miss Marjorie Frye, Mrs. Janie Fox Jones, Mr. G. N. McCrea, Mr. Raymond S. Myers, and Mr. William J. McConnell, Chairman.

Also present were the following Printing House staff members: Mr. Finis E. Davis, Vice President and General Manager; Mr. Howard Oliver, Head of Printing and Educational Aids; Dr. Carson Nolan, Coordinator, Educational Research, Development, and Reference Group.

The initial presentation was a report by Mr. Oliver on Development and Production of Educational Aids during the year, October 1972 to October 1973. He reported on the following previously approved items which are now complete or will soon be available: Textured Cube and Nest, Simple Machine Kit, Fractional Parts of Wholes Kit, Improvement in Clock Face Hands, Redesigned Raised Line Check Book, Tactual Aids for Reading Kits, and the Large Abacus. Mr. Oliver also advised the committee of the inauguration of one new type Braille Press. This Report was accepted by the Committee.

Then Dr. Nolan presented 14 Educational Aids for the committee to consider for approval. He requested that the Printing House staff member who had worked on production of each aid demonstrate and/or explain its function to the committee. This list included:

- a. pull apart cell
- b. dial familiarization
- c. tactual ruler familiarization
- d. geometric forms

- e. fundamental map reading
- f. continental relief map — North America
- g. Tactual Road to Reading
- h. Tactile Aids to Reading
- i. Braille Code Recognition Materials
- j. primary peg set
- k. sensory cylinders
- l. individual study screen
- m. Listen and Think (B, D, E, & G)
- n. light probe

After careful review and deliberation of each item, the committee approved all items presented. There being no additional business, the meeting adjourned at 4:30 p.m.

On behalf of the Educational Aids Committee, I wish to thank Mr. Davis and all members of his staff concerned for their competent and innovative achievements in broadening the scope of appropriate Educational Aids to be made available for visually handicapped children.

Respectfully submitted,

WILLIAM J. McCONNELL, *Chairman*

# PRODUCTION RECORDS FOR THE FISCAL YEARS 1970-1973

## PUBLICATIONS

| <i>Braille</i>                             | <i>1970-71</i> | <i>1971-72</i> | <i>1972-73</i> |
|--|----------------|----------------|----------------|
| <i>Press-Braille:</i>                      |                |                |                |
| Number of Plates Stereotyped .....         | 135,280        | 176,653        | 169,635        |
| Number of Titles Embossed:                 |                |                |                |
| Literary .....                             | 352            | 506            | 517            |
| Music .....                                | 38             | 26             | 48             |
| Magazines .....                            | 675            | 615            | 619            |
| Number of Pages Printed .....              | 55,746,780     | 57,069,384     | 53,670,772     |
| Number of Volumes Bound .....              | 116,763        | 129,806        | 105,079        |
| Number of Pamphlets Published:             |                |                |                |
| Jute Covers .....                          | 44,166         | 42,124         | 51,544         |
| Paper Covers .....                         | 28,651         | 17,646         | 19,379         |
| Number of Magazines Published .....        | 502,742        | 516,859        | 331,980        |
| Number of Music Selections Published ..... | 4,630          | 7,585          | 4,724          |
| <i>Vacuumform-Braille:</i>                 |                |                |                |
| Number of Pages Printed .....              | 462,474        | 449,952        | 362,659        |
| Number of Volumes Bound .....              | 6,589          | 5,825          | 4,924          |
| <i>Ink-print and Ink-print and Braille</i> |                |                |                |
| Number of Alphabet Cards Printed .....     | 3,403,482      | 4,108,811      | 3,660,689      |
| Number of Volumes Printed and Bound .... } | 52,213         | 31,974         | 12,389         |
| Number of Pamphlets Printed and Bound... } |                |                |                |
| Number of Catalogs Published:              |                |                |                |
| Ink-print .....                            | 30,000         | 36,000         | 95,000         |
| Braille (Music only) .....                 | 1,050          | -----          | -----          |
| Brochures .....                            | 430,982        | 543,780        | 784,249        |
| <i>Large Print</i>                         |                |                |                |
| <i>Regular Multiple-copy Runs:</i>         |                |                |                |
| Number of Plates Made .....                | 12,673         | 11,874         | 13,920         |
| Number of Titles Published .....           | 40             | 65             | 121            |
| Number of Pages Printed .....              | 14,784,690     | 11,890,174     | 11,610,094     |
| Number of Volumes Bound .....              | 39,414         | 29,942         | 31,053         |
| Number of Pamphlets Bound .....            | 44,042         | 33,158         | 37,860         |
| <i>Short-run Process:</i>                  |                |                |                |
| Number of Plates Made .....                | 67,147         | 107,935        | 104,634        |
| Number of Titles Published .....           | 240            | 417            | 406            |
| Number of Pages Printed .....              | 866,155        | 1,584,200      | 1,393,796      |
| Number of Copies Bound .....               | 4,216          | 10,755         | 8,819          |
| <i>Recordings</i>                          |                |                |                |
| <i>Talking Books (discs):</i>              |                |                |                |
| Number of Masters Recorded .....           | 5,305          | 4,574          | 5,653          |
| Number of Books Recorded .....             | 312            | 379            | 553            |
| Number of Magazines Recorded .....         | 418            | 411            | 410            |
| Number of Records Pressed .....            | 3,151,245      | 3,000,891      | 3,652,604      |

|                           |         |         |         |
|---------------------------|---------|---------|---------|
| <i>Recordings (cont.)</i> | 1970-71 | 1971-72 | 1972-73 |
|---------------------------|---------|---------|---------|

*Tapes:*

*Open-reel:*

|                                       |        |        |       |
|---------------------------------------|--------|--------|-------|
| Number of Titles Recorded .....       | 3      | 3      | 2     |
| Number of Tapes Recorded .....        | 10     | 20     | 64    |
| Number of Tapes Duplicated .....      | 44,638 | 19,034 | 8,393 |
| Number of REAL Tapes Duplicated ..... | 3,241  | 2,723  | 2,127 |

*Cassette:*

|                                  |        |        |         |
|----------------------------------|--------|--------|---------|
| Number of Titles Recorded .....  | 22     | 46     | 39      |
| Number of Tapes Recorded .....   | 203    | 463    | 581     |
| Number of Tapes Duplicated ..... | 21,416 | 80,274 | 149,528 |

## TANGIBLE AIDS

*Braille Paper, Notebooks, Book Binders*

*Paper:*

|  |        |        |        |
|--|--------|--------|--------|
| Accordion-folded Notepaper (pkgs.) .....                   |        | 250    |        |
| Braille Slate and Writer Paper (pkgs.) ....                | 3,376  | 4,052  | 3,112  |
| Transcribing Paper (reams) .....                           | 8,694  | 10,695 | 9,402  |
| Notebook Fillers (pkgs.) .....                             | 3,255  | 3,846  | 2,916  |
| Brown Braille Paper (to fit Krebs<br>Binder) (pkgs.) ..... |        | 52     |        |
| Transcribing Paper (to fit Krebs<br>Binder) (reams) .....  | 504    | 1,561  | 611    |
| Brailon (to fit Krebs Binder) (pkgs.) .....                | 2,238  | 2,820  | 1,917  |
| Ringed Notebooks .....                                     | 4,752  | 1,886  | 2,659  |
| Krebs Binders .....  | 14,221 | 10,011 | 13,808 |
| Locking Element for Krebs<br>Binders (1-ring) .....        | 50     | 100    |        |

*Braille Writing and Embossing Equipment*

*Slates and Styluses:*

|                                       |        |        |        |
|---------------------------------------|--------|--------|--------|
| Metal Guides .....                    | 6,508  | 5,989  | 5,905  |
| Plastic Guides .....                  | 4,862  |        | 5,377  |
| Interpoint Metal Pocket Guide .....   |        | 186    | 101    |
| Interpoint Metal Postcard Guide ..... | 103    | 141    | 259    |
| Styluses .....                        | 18,036 | 15,257 | 10,604 |

*Braillewriters:*

|                               |       |     |     |
|-------------------------------|-------|-----|-----|
| Lavender Writers .....        | 312   | 146 | 114 |
| New Hall Braillewriters ..... |       | 1   |     |
| Perkins Braillers .....       | 1,059 | 582 | 619 |

*Erasers:*

|              |  |       |     |
|--------------|--|-------|-----|
| Teflon ..... |  | 1,149 | 950 |
|--------------|--|-------|-----|

*Programming Aids:*

|                                      |        |       |     |
|--------------------------------------|--------|-------|-----|
| Aluminum Diagramming Sheets .....    | 807    |       |     |
| Braille Clockface Sheets .....       | 42,700 |       |     |
| Graph Sheets:                        |        |       |     |
| Embossed .....                       | 1,478  | 400   | 200 |
| Bold-line .....                      | 421    | 2,334 | 651 |
| Swail Dot Inverter Kit and Pad ..... | 144    | 259   | 537 |



| <i>Aids for Geography</i> | <i>1970-71</i> | <i>1971-72</i> | <i>1972-73</i> |
|---------------------------|----------------|----------------|----------------|
| Braille Atlases .....     | 509            | 400            | 1,350          |
| Landform Models .....     | <sup>1</sup>   | 83             | 141            |

*Maps:*

|                                  |       |       |       |
|----------------------------------|-------|-------|-------|
| Maps (dissected) .....           | 67    | 50    | 30    |
| Map Easels .....                 | 50    | 25    | ..... |
| U.S. Map Group:                  |       |       |       |
| Plastic .....                    | 298   | ..... | 50    |
| Braille .....                    | ..... | ..... | 247   |
| Large Type .....                 | 306   | 487   | 1,083 |
| U.S. Territorial Expansion ..... | 101   | ..... | ..... |
| Storage Folders .....            | 222   | ..... | 100   |
| Globe and Plaque Kits .....      | 59    | ..... | 50    |

*Relief Globes; Plaques; Mileage Scales:*

|                                |       |     |       |
|--------------------------------|-------|-----|-------|
| 30" Floor Pedestal Globe ..... | 27    | 22  | 19    |
| 12" Table-Model Globes .....   | 71    | 251 | 106   |
| 12" Globe Mileage Scale .....  | ..... | 51  | ..... |

*Handwriting Aids*

|  |              |        |        |
|--|--------------|--------|--------|
| APH Signature Guide .....                  | 1,115        | 1,753  | 1,817  |
| Bold-line Writing Paper (lbs.) .....       | 13,577       | 14,483 | 16,865 |
| Freund Longhand Writing Kit .....          | 199          | 300    | 300    |
| Longhand Writing Paper (pkgs.) .....       | <sup>1</sup> | 170    | 7,271  |
| L. T. Writing Paper (lbs.) .....           | 11,607       | 9,829  | 13,075 |
| Embossed Pencil-writing Paper (pads) ..... | 1,552        | 705    | 319    |
| Script-writing Boards .....                | 314          | 1,401  | .....  |

*Kindergarten and Primary Aids*

|   |              |       |        |
|---|--------------|-------|--------|
| Braille Clockfaces .....                                    | 504          | 576   | 381    |
| Constructo Sets:  |              |       |        |
| Senior .....  | 200          | ..... | 204    |
| Junior .....  | 100          | 101   | 200    |
| Giant Textured Beads .....                                  | 99           | 551   | 970    |
| Bead Stringer .....   | <sup>1</sup> | 201   | 100    |
| Pegs:   |              |       |        |
| Plastic (to be used with APH<br>Cubarithm Slate) .....      | 681          | ..... | .....  |
| Hard wood (to be used with Texas<br>Arithmetic Slate) ..... | .....        | 347   | .....  |
| Cardboard Squares for Parquetry                             |              |       |        |
| Paper Work .....  | .....        | 5,050 | 5,000  |
| Cardboard Sewing Cards .....                                | 3,000        | 5,900 | 10,300 |
| Shape Board .....   | 100          | 400   | 300    |
| Shoelace Aid .....  | 100          | 621   | 495    |
| Nylon Shoe Lace .....                                       | 100          | ..... | 101    |
| Work-Play Trays:  |              |       |        |
| Large .....   | 204          | 401   | 805    |
| Small .....   | 200          | 308   | 800    |

<sup>1</sup>Had not started manufacturing.

| <i>Aids for Mathematics</i>                   | 1970-71          | 1971-72            | 1972-73 |
|---|------------------|--------------------|---------|
| Arithmetic Type Slates:                       |                  |                    |         |
| APH Cubarithm Type Slate and Type:            |                  |                    |         |
| Slate Frame .....                             |                  | 945                |         |
| Brannan Cubarithm Slate and Cubes:            |                  |                    |         |
| Slate Frame .....                             | 503              |                    |         |
| Braille Cubes (sets) .....                    | 661              |                    |         |
| Taylor Arithmetic Slate and Type:             |                  |                    |         |
| Slate Frame .....                             |                  |                    | 112     |
| Metal Type (sets) .....                       |                  |                    | 100     |
| Plastic Type (sets) .....                     | 231              |                    |         |
| Cranmer Abacus and Coupler:                   |                  |                    |         |
| Abacus .....                                  | 8,897            | 4,316              | 7,356   |
| Coupler .....                                 | 608              | 1,041              | 1,007   |
| GAVA (Geometric Area and Volume Aid) .....    |                  | 200                |         |
| Graphic Aid for Mathematics .....             |                  | 301                |         |
| Hoff Aid .....                                | 46               | 33                 | 15      |
| Kine Mtply Vizr .....                         | 189              |                    |         |
| Master Cube .....                             |                  | 205                | 232     |
| Mitchell Wire Forms, etc. ....                | 6                | 149                | 146     |
| Numberaid .....                               |                  | 112                | 725     |
| Raised-line Checkbook .....                   | 1,003            | 57                 | 379     |
| Rulers:                                       |                  |                    |         |
| English 1-foot Ruler with Caliper Slide ..... | 817 <sup>3</sup> | 2,877 <sup>2</sup> |         |
| Metric-English Ruler with Caliper Slide ..... | <sup>1</sup>     | <sup>1</sup>       | 1,014   |
| Glue-down Ruler .....                         |                  | 311                | 1,244   |
| Caliper Slide .....                           | 587              | 396                | 259     |

#### *Miscellaneous Aids*

|                                       |              |                  |       |
|---------------------------------------|--------------|------------------|-------|
| APH Friction Pads Kit .....           | 245          | 300              | 206   |
| Audible Goal-Locators:                |              |                  |       |
| Stationary Model .....                |              |                  | 101   |
| Portable Model .....                  | 129          | 18               | 282   |
| Braille Mailing Tubes .....           | 150          |                  |       |
| Chang Mobility Kits .....             |              | 198 <sup>2</sup> | 100   |
| Listen and Think Level C:             |              |                  |       |
| Cassette .....                        | <sup>1</sup> | 50               | 50    |
| Open-reel .....                       | <sup>1</sup> | 50               | 300   |
| Listen and Think Level F:             |              |                  |       |
| Cassette .....                        | <sup>1</sup> | <sup>1</sup>     | 250   |
| Open-reel .....                       | <sup>1</sup> | <sup>1</sup>     | 50    |
| Multiple Choice, etc., Answer Sheets: |              |                  |       |
| Braille .....                         | 200          | 1,632            | 2,558 |
| Large Type .....                      | 202          | 1,629            | 2,518 |
| Puzzle Form Board Kit .....           | <sup>1</sup> | 100              | 347   |
| Reading Stands and Racks:             |              |                  |       |
| Desk-top Reading Stand .....          | 318          | 150              | 401   |
| Gore Reading Stand .....              | 97           | 102              | 96    |
| Piano Rack for Partially Seeing ..... | 100          |                  | 40    |
| Shafer Reading Stand .....            | 100          | 149              | 168   |

<sup>1</sup>Had not started manufacturing.

<sup>2</sup>New Model.

<sup>3</sup>Old Model.

|  | 1970-71 | 1971-72 | 1972-73 |
|--|---------|---------|---------|
| Seated Parquetry Set .....                   | 1       | 1       | 496     |
| Staley Sports Field Kit .....                | 100     | 91      |         |
| Stokes Place-Holder .....                    | 303     | 322     | 640     |
| Braille Fiberboard Shipping Containers ..... | 2,953   | 4,132   | 4,638   |

#### *Music Aid*

|                               |     |   |     |
|-------------------------------|-----|---|-----|
| Beetz Notation-Graph .....    | 100 |   |     |
| L. T. Music Staff Paper ..... | 1   | 1 | 446 |

#### *Braille Reading-Readiness*

|  |     |     |  |
|--|-----|-----|--|
| Formboard with Removable "Hands" ..... | 100 | 407 |  |
| Roughness Discrimination Test .....    | 205 | 204 |  |

#### *Science Aid*

|                                |     |     |  |
|--------------------------------|-----|-----|--|
| Science Measurements Kit ..... | 197 | 100 |  |
|--------------------------------|-----|-----|--|

#### *Spelling Aid*

|   |     |     |     |
|---|-----|-----|-----|
| Spelling Frame with Braille and Large Type Words: |     |     |     |
| Frame .....                                       | 870 | 100 | 900 |
| Braille Words .....                               | 953 |     |     |
| Large Type Words .....                            | 546 |     | 700 |

#### *Aids for Recorded Materials*

|  |         |         |         |
|--|---------|---------|---------|
| Talking Book Reproducers:                |         |         |         |
| APH Model TR1000 (three-speed) .....     | 301     | 68      | 196     |
| APH Model VTR 5000 (variable speed) .... | 285     | 174     | 181     |
| Tape Recorders:                          |         |         |         |
| APH Adapted Sony 105 (standard speed) .. | 1,052   | 584     | 494     |
| APH Adapted Sony 105 (variable speed) .. | 1,358   | 913     | 1,199   |
| Head Sets .....                          | 400     | 897     | 999     |
| Talking Book Albums .....                | 4,265   | 4,985   | 6,150   |
| Talking Book Containers:                 |         |         |         |
| Black Fiberboard .....                   | 176,748 | 202,416 | 33,868  |
| Plastic .....                            | 125,447 | 71,240  | 301,916 |
| Plastic Cassette Trays .....             | 51,061  | 56,863  | 81,508  |
| Headphone Adapter Plug .....             | 1       | 400     | 400     |
| APH Self-Threading Reel .....            | 1       | 450     |         |
| Multiple Headset Adapter .....           | 1       | 170     | 427     |
| 83-D Needle Cartridge .....              | 1       | 200     | 275     |
| 6-Foot Extension Cord .....              | 1       | 125     | 125     |
| AIWA Cassette Tape Recorder .....        | 1       | 928     |         |
| G.E. Cassette Recorder M8355A .....      | 1       | 1       | 3,300   |
| Foot Pedals Switch .....                 | 1       | 1       | 600     |
| Patchcord .....                          | 1       | 1       | 700     |
| Cassette Indicator .....                 | 1       | 1       | 1,650   |

<sup>1</sup>Had not started manufacturing.

# BALANCE SHEET — JUNE 30, 1973

## ASSETS

### GENERAL FUND

#### CURRENT ASSETS

|  |             |            |              |
|--|-------------|------------|--------------|
| Cash .....   |             | \$ 306,103 |              |
| Accounts receivable .....                                    |             | 461,259    |              |
| Inventories (lower of cost or<br>market, first-in-first-out) |             |            |              |
| Finished goods .....   | \$1,234,380 |            |              |
| Work in process .....  | 539,799     |            |              |
| Materials .....  | 1,004,606   | 2,778,785  |              |
| Supplies .....   |             | 40,741     |              |
| Prepaid expenses .....                                       |             | 8,364      |              |
| Total Current Assets .....                                   |             |            | \$ 3,595,252 |

#### FIXED ASSETS (Note 1)

|                                   | Cost               | Accumulated<br>Depreciation | Book Value       |
|-----------------------------------|--------------------|-----------------------------|------------------|
| Land .....                        | \$ 61,052          | \$                          | \$ 61,052        |
| Buildings and improvements .....  | 2,295,835          | 626,723                     | 1,669,112        |
| Machinery .....                   | 1,280,978          | 763,279                     | 517,699          |
| Office equipment .....            | 162,754            | 123,479                     | 39,275           |
|                                   | <u>\$3,800,619</u> | <u>\$1,513,481</u>          |                  |
| Net Book Value of Fixed Assets    |                    |                             | <u>2,287,138</u> |
| TOTAL ASSETS — GENERAL FUND ..... |                    |                             | \$ 5,882,390     |

### SPECIAL FUNDS

#### BUILDING FUND

|                               |           |            |
|-------------------------------|-----------|------------|
| Cash .....                    | \$ 55,733 |            |
| Construction in process ..... | 69,942    | \$ 125,675 |

#### ENDOWMENT FUND

|  |           |           |
|--|-----------|-----------|
| Cash .....   | \$ 39,182 |           |
| Investments, at cost<br>(market value \$3,965,222) ..... | 3,753,444 | 3,792,626 |

#### NEWSWEEK TALKING MAGAZINE FUND FOR THE BLIND

|   |           |         |
|---|-----------|---------|
| Cash .....  | \$ 63,167 |         |
| Investments, at cost<br>(market value \$92,410) ..... | 91,079    | 154,246 |

#### READER'S DIGEST FUND FOR THE BLIND

|  |            |           |
|--|------------|-----------|
| Cash .....   | \$ 102,448 |           |
| Investments, at cost<br>(market value \$1,655,596) ..... | 1,669,019  | 1,771,467 |

|                                    |  |  |                     |
|------------------------------------|--|--|---------------------|
| TOTAL ASSETS — SPECIAL FUNDS ..... |  |  | 5,844,014           |
| TOTAL ASSETS .....                 |  |  | <u>\$11,726,404</u> |

*The accompanying notes are an integral part of these financial statements.*



# BALANCE SHEET — JUNE 30, 1973 (Continued)

## LIABILITIES AND NET WORTH

### GENERAL FUND

#### CURRENT LIABILITIES

|   |            |            |
|---|------------|------------|
| Accounts payable and accrued expenses ..... | \$ 800,577 |            |
| Unexpended grant funds .....                | 18,389     |            |
| Total Current Liabilities .....             |            | \$ 818,966 |

#### NET WORTH

|                                 |             |           |
|---------------------------------|-------------|-----------|
| Capital investment .....        | \$2,703,523 |           |
| Reserve for contingencies ..... | 2,359,901   |           |
| Total Net Worth .....           |             | 5,063,424 |

#### TOTAL LIABILITIES AND

|                                |  |              |
|--------------------------------|--|--------------|
| NET WORTH — GENERAL FUND ..... |  | \$ 5,882,390 |
|--------------------------------|--|--------------|

### SPECIAL FUNDS

#### BUILDING FUND

|                         |            |
|-------------------------|------------|
| Principal balance ..... | \$ 125,675 |
|-------------------------|------------|

#### ENDOWMENT FUND

|                         |             |           |
|-------------------------|-------------|-----------|
| Principal balance ..... | \$2,913,521 |           |
| Income balance .....    | 879,105     | 3,792,626 |

#### NEWSWEEK TALKING MAGAZINE FUND FOR THE BLIND

|                         |         |
|-------------------------|---------|
| Principal balance ..... | 154,246 |
|-------------------------|---------|

#### READER'S DIGEST FUND FOR THE BLIND

|                          |            |           |
|--------------------------|------------|-----------|
| Due to other funds ..... | \$ 8,944   |           |
| Principal                |            |           |
| Editions .....           | \$ 512,332 |           |
| Extensions .....         | 1,091,876  |           |
| Endowment .....          | 15,000     |           |
| Special Gifts .....      | 143,315    | 1,762,523 |
|                          |            | 1,771,467 |

#### TOTAL LIABILITIES AND PRINCIPALS —

|                     |  |           |
|---------------------|--|-----------|
| SPECIAL FUNDS ..... |  | 5,844,014 |
|---------------------|--|-----------|

#### TOTAL LIABILITIES AND NET WORTH ....

\$11,726,404

*The accompanying notes are an integral part of these financial statements.*

# STATEMENT OF CASH RECEIPTS AND DISBURSEMENTS

For the Fiscal Year Ended June 30, 1973

|                                  |            |
|----------------------------------|------------|
| CASH BALANCE, JULY 1, 1972 ..... | \$ 382,500 |
|----------------------------------|------------|

## RECEIPTS

|  |                 |
|--|-----------------|
| From U. S. Government "to provide for<br>the education of the blind" ..... | \$1,629,000     |
| From U. S. Government "to render advisory services" .....                  | 77,500          |
| Products provided to other agencies .....                                  | 3,439,616       |
| Reader's Digest Fund contributions .....                                   | 613,187         |
| Newsweek Fund contributions .....  | 325,015         |
| Endowment Fund contributions .....   | 178,547         |
| Interest and dividends received .....                                      | 279,239         |
| Investments liquidated .....   | 1,659,669       |
| Sale of scrap .....  | 5,638           |
| Temporary borrowing .....  | 75,000          |
| <br>TOTAL RECEIPTS .....   | <br>8,282,411   |
| <br>TOTAL CASH AVAILABLE .....   | <br>\$8,664,911 |

## DISBURSEMENTS

|  |                |
|--|----------------|
| Salaries and wages, other than fund<br>raising and advisory services ..... | \$2,677,506    |
| Materials .....  | 2,334,590      |
| Manufacturing supplies .....   | 50,241         |
| General factory overhead .....   | 251,565        |
| Shipping and circulation expense .....                                     | 78,856         |
| Research and experimental expense .....                                    | 55,605         |
| Fund raising, labor .....  | 44,536         |
| Fund raising, materials and supplies .....                                 | 209,197        |
| Administrative and office expense .....                                    | 160,366        |
| Retirement .....   | 114,727        |
| Payroll taxes, withholding and expense .....                               | 138,028        |
| IBM operation .....  | 76,282         |
| Cost of advisory services rendered .....                                   | 77,500         |
| Investments purchased .....  | 1,442,644      |
| Factory and office equipment .....   | 259,671        |
| Building construction cost in process .....                                | 69,942         |
| Repayment of temporary borrowing .....                                     | 75,000         |
| Total .....  | \$8,116,256    |
| Less cash discounts taken .....  | (17,978)       |
| <br>TOTAL DISBURSEMENTS .....  | <br>8,098,278  |
| <br>CASH BALANCE, JUNE 30, 1973 .....                                      | <br>\$ 566,633 |

*The accompanying notes are an integral part of these financial statements.*

## NOTES TO FINANCIAL STATEMENTS

### NOTE 1. *Fixed Assets*

Fixed assets are stated at their estimated value at June 30, 1941, plus cost of additions since that time. Depreciation, computed on the straight-line basis over reasonable useful lives of the various classes of assets, amounted to \$139,349 for the year.

### NOTE 2. *Pension Plan*

The company has in effect, for eligible personnel, a contributory pension plan. The unfunded past service cost of the plan, as amended effective July 1, 1970, was \$483,403 at June 30, 1973, and is being funded currently over a ten-year period, consistent with the prior year. The method of valuation employed is the frozen initial liability method, a variant of the entry age normal method. In the opinion of the actuary, adequate provision is being made for funding of future benefits. The assets of the plan at June 30, 1973, at cost, as reported by the trustees, amounted to \$1,157,592.

# DISBURSEMENTS

## U. S. GOVERNMENT ACCOUNT

July 1, 1972 — June 30, 1973

*Expenditures for manufacturing:*

|   |                  |                |
|---|------------------|----------------|
| Services .....                                    | \$922,732.59     |                |
| Stereograph Metal .....                           | 3,745.55         |                |
| Vacuum-Form Materials .....                       | 33,638.40        |                |
| Large Type Film and Plates .....                  | 42,039.53        |                |
| Printing and Binding Materials .....              | 175,428.48       |                |
| Printing and Binding Supplies .....               | 7,978.69         |                |
| Talking Book Materials .....                      | 2,005.02         |                |
| Educational Aids Materials .....                  | 415,033.28       |                |
| Miscellaneous Supplies and Related Expenses ..... | <u>26,398.46</u> |                |
|   |                  | \$1,629,000.00 |

EXPENDITURES FOR ADVISORY SERVICES:

|                                     |                  |                       |
|-------------------------------------|------------------|-----------------------|
| Salaries .....                      | 37,732.01        |                       |
| Staff and Committee Travel .....    | 7,538.87         |                       |
| Supplies and Related Expenses ..... | <u>32,229.12</u> |                       |
|                                     |                  | 77,500.00             |
|                                     |                  | <u>\$1,706,500.00</u> |



**COTTON AND ALLEN**

**CERTIFIED PUBLIC ACCOUNTANTS**

**LOUISVILLE, KY. 40202**

August 31, 1973

American Printing House for the Blind, Inc.  
Louisville, Kentucky

Gentlemen:

We have examined the balance sheet of the American Printing House for the Blind, Inc., as of June 30, 1973, and the statement of cash receipts and disbursements for the fiscal year then ended. Our examination was made in accordance with generally accepted auditing standards and accordingly included such tests of the accounting records and such other auditing procedures as we considered necessary in the circumstances.

In our opinion, the accompanying balance sheet and statement of cash receipts and disbursements present fairly the financial position of the American Printing House for the Blind, Inc., as of June 30, 1973, in conformity with generally accepted accounting principles applied on a basis consistent with that of the preceding year, and the cash receipts and disbursements for the year then ended.

**COTTON AND ALLEN**

**Certified Public Accountants**

# LIST OF THE PUBLIC INSTITUTIONS for the EDUCATION OF THE BLIND IN THE UNITED STATES

The number of pupils, and the amount of quota of each for the year ending June 30, 1973, according to the law of Congress approved March 3, 1879; June 25, 1906; August 4, 1919; December 22, 1927; August 23, 1937; May 22, 1952; August 2, 1956; September 22, 1961; and March 3, 1970, entitled "An Act to Promote the Education of the Blind";

|   | January 3, 1972<br>No. of Pupils | Amount of Quota<br>for the Year Ending<br>June 30, 1973 |
|---|----------------------------------|---|
| Alabama Institute for the Deaf and Blind        |                                  |   |
| Talladega, Alabama .....                        | 352                              | \$25,258.04   |
| Alabama State Department of Education           |                                  |   |
| Montgomery, Alabama .....                       | 186                              | 13,346.58   |
| Alaska State Department of Education            |                                  |   |
| Juneau, Alaska .....                            | 23                               | 1,650.38  |
| Arizona State School for the Deaf and the Blind |                                  |   |
| Tucson, Arizona .....                           | 77                               | 5,525.19  |
| Arizona State Department of Education           |                                  |   |
| Phoenix, Arizona .....                          | 66                               | 4,735.89  |
| Arkansas Enterprises for the Blind              |                                  |   |
| Little Rock, Arkansas .....                     | 91                               | 6,529.77  |
| Arkansas School for the Blind                   |                                  |   |
| Little Rock, Arkansas .....                     | 156                              | 11,193.91   |
| Arkansas Children's Colony                      |                                  |   |
| Conway, Arkansas .....                          | 21                               | 1,506.87  |
| Arkansas State Department of Education          |                                  |   |
| c/o Arkansas School for the Blind               |                                  |   |
| Little Rock, Arkansas .....                     | 22                               | 1,578.63  |
| California School for the Blind                 |                                  |   |
| Berkeley, California .....                      | 122                              | 8,754.20  |
| California State Department of Education        |                                  |   |
| Sacramento, California .....                    | 2,174                            | 155,997.10  |
| Colorado School for the Deaf and the Blind      |                                  |   |
| Colorado Springs, Colorado .....                | 74                               | 5,309.93  |
| Colorado State Department of Education          |                                  |   |
| Denver, Colorado .....                          | 205                              | 14,709.93   |
| Oak Hill School                                 |                                  |   |
| Hartford, Connecticut .....                     | 138                              | 9,902.00  |
| Mansfield Training School                       |                                  |   |
| Mansfield Depot, Connecticut .....              | 9                                | 645.80  |
| Connecticut State Board of Education            |                                  |   |
| and Services for the Blind                      |                                  |   |
| Wethersfield, Connecticut .....                 | 292                              | 20,952.69   |
| Bureau for the Visually Impaired                |                                  |   |
| Wilmington, Delaware .....                      | 17                               | 1,219.85  |
| Delaware State Department of Public Instruction |                                  |   |
| Dover, Delaware .....                           | 43                               | 3,085.50  |
| Florida School for the Deaf and the Blind       |                                  |   |
| St. Augustine, Florida .....                    | 202                              | 14,494.67   |
| Rehabilitation Center for the Blind             |                                  |   |
| Daytona Beach, Florida .....                    | 33                               | 2,367.94  |
| Gateway Hope Center                             |                                  |   |
| Jacksonville, Florida .....                     | 27                               | 1,937.41  |

|   | January 3, 1972<br>No. of Pupils | Amount of Quota<br>for the Year Ending<br>June 30, 1973 |
|---|----------------------------------|---|
| Florida State Department of Education             |                                  |   |
| Tallahassee, Florida .....                        | 548                              | 39,322.17   |
| Gracewood State School and Hospital               |                                  |   |
| Gracewood, Georgia .....                          | 10                               | 717.56  |
| Georgia Academy for the Blind                     |                                  |   |
| Macon, Georgia .....                              | 198                              | 14,207.65   |
| Georgia Rehabilitation Center                     |                                  |   |
| Warm Springs, Georgia .....                       | 30                               | 2,152.67  |
| Georgia State Department of Education             |                                  |   |
| Atlanta, Georgia .....                            | 386                              | 27,697.74   |
| Hawaii State School for the Deaf and the Blind    |                                  |   |
| Honolulu, Hawaii .....                            | 9                                | 645.80  |
| Hawaii State Department of Education              |                                  |   |
| Honolulu, Hawaii .....                            | 33                               | 2,367.94  |
| Idaho State School for the Deaf and the Blind     |                                  |   |
| Gooding, Idaho .....                              | 19                               | 1,363.36  |
| Idaho State Department of Education               |                                  |   |
| c/o Idaho State School for the Deaf and the Blind |                                  |   |
| Gooding, Idaho .....                              | 20                               | 1,435.12  |
| Illinois Braille and Sight Saving School          |                                  |   |
| Jacksonville, Illinois .....                      | 186                              | 13,346.58   |
| Hope School                                       |                                  |   |
| Springfield, Illinois .....                       | 41                               | 2,941.99  |
| Chicago Lighthouse for the Blind                  |                                  |   |
| Chicago, Illinois .....                           | 40                               | 2,870.23  |
| Illinois Visually Handicapped Institute           |                                  |   |
| Chicago, Illinois .....                           | 42                               | 3,013.74  |
| Illinois State Department of Public Instruction   |                                  |   |
| Springfield, Illinois .....                       | 952                              | 68,311.51   |
| Indiana School for the Blind                      |                                  |   |
| Indianapolis, Indiana .....                       | 165                              | 11,839.71   |
| Indiana State Department of Public Instruction    |                                  |   |
| Indianapolis, Indiana .....                       | 342                              | 24,540.48   |
| Iowa Braille and Sight Saving School              |                                  |   |
| Vinton, Iowa .....                                | 104                              | 7,462.60  |
| Iowa Commission for the Blind                     |                                  |   |
| Des Moines, Iowa .....                            | 21                               | 1,506.87  |
| Woodward State Hospital-School                    |                                  |   |
| Woodward, Iowa .....                              | 19                               | 1,363.36  |
| Iowa State Department of Public Instruction       |                                  |   |
| Des Moines, Iowa .....                            | 182                              | 13,059.56   |
| Kansas School for the Visually Handicapped        |                                  |   |
| Kansas City, Kansas .....                         | 74                               | 5,309.93  |
| Kansas Rehabilitation Center for the Adult Blind  |                                  |   |
| Topeka, Kansas .....                              | 13                               | 932.82  |
| Kansas State Department of Education              |                                  |   |
| Topeka, Kansas .....                              | 235                              | 16,862.61   |
| Kentucky School for the Blind                     |                                  |   |
| Louisville, Kentucky .....                        | 135                              | 9,687.04  |
| Oakwood Unit for the Visually Handicapped         |                                  |   |
| Somerset, Kentucky .....                          | 14                               | 1,004.58  |
| Kentucky State Department of Education            |                                  |   |
| Frankfort, Kentucky .....                         | 147                              | 10,548.10   |
| Louisiana State School for the Blind              |                                  |   |
| Baton Rouge, Louisiana .....                      | 103                              | 7,390.84  |
| Louisiana State School for the Blind              |                                  |   |
| Southern University                               |                                  |   |
| Baton Rouge, Louisiana .....                      | 67                               | 4,807.64  |
| Pinecrest State School                            |                                  |   |
| Pineville, Louisiana .....                        | 52                               | 3,731.30  |

|   | January 3, 1972<br>No. of Pupils | Amount of Quota<br>for the Year Ending<br>June 30, 1973 |
|---|----------------------------------|---|
| Louisiana State Department of Education             |                                  |   |
| Baton Rouge, Louisiana .....                        | 161                              | 11,552.69   |
| State of Maine, Division of Eye Care                |                                  |   |
| Augusta, Maine .....                                | 115                              | 8,251.91  |
| Maryland School for the Blind                       |                                  |   |
| Baltimore, Maryland .....                           | 269                              | 19,302.31   |
| D.C. Children's Center                              |                                  |   |
| Laurel, Maryland .....                              | 12                               | 861.07  |
| Maryland State Department of Education              |                                  |   |
| Baltimore, Maryland .....                           | 223                              | 16,001.54   |
| Perkins School for the Blind                        |                                  |   |
| Watertown, Massachusetts .....                      | 262                              | 18,800.02   |
| Boston Center for Blind Children                    |                                  |   |
| Boston, Massachusetts .....                         | 19                               | 1,363.36  |
| Walter E. Fernald State School                      |                                  |   |
| Waverley, Massachusetts .....                       | 11                               | 789.31  |
| Massachusetts State Department of Education         |                                  |   |
| Boston, Massachusetts .....                         | 450                              | 32,290.11   |
| Michigan School for the Blind                       |                                  |   |
| Lansing, Michigan .....                             | 260                              | 18,656.51   |
| Rehabilitation Institute                            |                                  |   |
| Detroit, Michigan .....                             | 13                               | 932.82  |
| Michigan Rehabilitation Center for the Blind        |                                  |   |
| Kalamazoo, Michigan .....                           | 16                               | 1,148.09  |
| Plymouth State Home and Training School             |                                  |   |
| Northville, Michigan .....                          | 10                               | 717.56  |
| Michigan State Department of Education              |                                  |   |
| Lansing, Michigan .....                             | 685                              | 49,152.72   |
| Minnesota Braille and Sight Saving School           |                                  |   |
| Faribault, Minnesota .....                          | 74                               | 5,309.93  |
| Minneapolis Society for the Blind                   |                                  |   |
| Minneapolis, Minnesota .....                        | 15                               | 1,076.34  |
| Minnesota State Department of Education             |                                  |   |
| St. Paul, Minnesota .....                           | 279                              | 20,019.86   |
| Mississippi School for the Blind                    |                                  |   |
| Jackson, Mississippi .....                          | 148                              | 10,619.86   |
| Mississippi Vocational Rehabilitation for the Blind |                                  |   |
| Jackson, Mississippi .....                          | 15                               | 1,076.34  |
| Mississippi State Department of Education           |                                  |   |
| Jackson, Mississippi .....                          | 52                               | 3,731.30  |
| Missouri School for the Blind                       |                                  |   |
| St. Louis, Missouri .....                           | 188                              | 13,490.09   |
| Missouri State Department of Education              |                                  |   |
| c/o Missouri School for the Blind                   |                                  |   |
| St. Louis, Missouri .....                           | 241                              | 17,293.14   |
| Montana School for the Deaf and Blind               |                                  |   |
| Great Falls, Montana .....                          | 21                               | 1,506.87  |
| Montana State Department of Public Instruction      |                                  |   |
| c/o Montana School for the Deaf and Blind           |                                  |   |
| Great Falls, Montana .....                          | 71                               | 5,094.66  |
| Nebraska School for the Visually Handicapped        |                                  |   |
| Nebraska City, Nebraska .....                       | 48                               | 3,444.28  |
| Nebraska State Department of Education              |                                  |   |
| Lincoln, Nebraska .....                             | 85                               | 6,099.25  |
| Nevada State Department of Education                |                                  |   |
| Carson City, Nevada .....                           | 26                               | 1,865.64  |
| New Hampshire State Department of Education         |                                  |   |
| Concord, New Hampshire .....                        | 107                              | 7,677.87  |
| New Jersey Commission for the Blind                 |                                  |   |
| Newark, New Jersey .....                            | 801                              | 57,476.39   |

|   | January 3, 1972<br>No. of Pupils | June 30, 1973<br>Amount of Quota<br>for the Year Ending |
|---|----------------------------------|---|
| New Mexico School for the Visually Handicapped        |                                  |   |
| Alamogordo, New Mexico .....                          | 91                               | 6,529.78  |
| New Mexico State Department of Education              |                                  |   |
| c/o New Mexico School for the Visually Handicapped    |                                  |   |
| Alamogordo, New Mexico .....                          | 31                               | 2,224.43  |
| New York Institute for the Education of the Blind     |                                  |   |
| Bronx, New York .....                                 | 184                              | 13,203.07   |
| New York State School for the Blind                   |                                  |   |
| Batavia, New York .....                               | 165                              | 11,839.70   |
| Lavell School for the Blind                           |                                  |   |
| Bronx, New York .....                                 | 170                              | 12,198.49   |
| New York State Department of Education                |                                  |   |
| Albany, New York .....                                | 1,207                            | 86,609.24   |
| Governor Morehead School                              |                                  |   |
| Raleigh, North Carolina .....                         | 331                              | 23,751.17   |
| Murdoch Center  |                                  |   |
| Butner, North Carolina .....                          | 75                               | 5,381.68  |
| North Carolina State Commission for the Blind         |                                  |   |
| Raleigh, North Carolina .....                         | 22                               | 1,578.63  |
| North Carolina State Department of Public Instruction |                                  |   |
| Raleigh, North Carolina .....                         | 231                              | 16,575.59   |
| North Dakota School for the Blind                     |                                  |   |
| Grand Forks, North Dakota .....                       | 29                               | 2,080.91  |
| North Dakota State Department of Public Instruction   |                                  |   |
| Bismarck, North Dakota .....                          | 8                                | 574.05  |
| Ohio State School for the Blind                       |                                  |   |
| Columbus, Ohio .....                                  | 156                              | 11,193.90   |
| Ohio State Department of Education                    |                                  |   |
| Columbus, Ohio .....                                  | 734                              | 52,668.76   |
| Oklahoma School for the Blind                         |                                  |   |
| Muskogee, Oklahoma .....                              | 108                              | 7,749.62  |
| Oklahoma State Department of Public Instruction       |                                  |   |
| Oklahoma City, Oklahoma .....                         | 65                               | 4,664.13  |
| Oregon State School for the Blind                     |                                  |   |
| Salem, Oregon .....                                   | 66                               | 4,735.88  |
| Oregon State Board of Education                       |                                  |   |
| Salem, Oregon .....                                   | 180                              | 12,916.04   |
| Overbrook School for the Blind                        |                                  |   |
| Philadelphia, Pennsylvania .....                      | 249                              | 17,867.19   |
| Elwyn Institute                                       |                                  |   |
| Elwyn, Pennsylvania .....                             | 32                               | 2,296.19  |
| Western Pennsylvania School for Blind Children        |                                  |   |
| Pittsburgh, Pennsylvania .....                        | 181                              | 12,987.80   |
| Royer-Greaves School for the Blind                    |                                  |   |
| Paoli, Pennsylvania .....                             | 78                               | 5,596.95  |
| Upsal Day School for Blind Children                   |                                  |   |
| Philadelphia, Pennsylvania .....                      | 59                               | 4,233.59  |
| Pennsylvania State Department of Education            |                                  |   |
| Harrisburg, Pennsylvania .....                        | 805                              | 57,763.42   |
| Rhode Island State Department of Education            |                                  |   |
| Providence, Rhode Island .....                        | 229                              | 16,432.07   |
| South Carolina School for the Deaf and the Blind      |                                  |   |
| Spartanburg, South Carolina .....                     | 148                              | 10,619.86   |
| South Carolina Commission for the Blind               |                                  |   |
| Columbia, South Carolina .....                        | 29                               | 2,080.92  |
| South Carolina State Department of Education          |                                  |   |
| Columbia, South Carolina .....                        | 255                              | 18,297.72   |
| South Dakota School for the Blind                     |                                  |   |
| Aberdeen, South Dakota .....                          | 26                               | 1,865.65  |



|  | January 3, 1972<br>No. of Pupils | Amount of Quota<br>for the Year Ending<br>June 30, 1973 |
|--|----------------------------------|---|
| South Dakota Service to the Visually Handicapped     |                                  |   |
| Sioux Falls, South Dakota .....                      | 7                                | 502.30  |
| South Dakota State Department of Public Instruction  |                                  |   |
| Pierre, South Dakota .....                           | 21                               | 1,506.87  |
| Tennessee School for the Blind                       |                                  |   |
| Nashville, Tennessee .....                           | 159                              | 11,409.17   |
| Clover Bottom Hospital and School                    |                                  |   |
| Donelson, Tennessee .....                            | 12                               | 861.07  |
| Tennessee State Department of Education              |                                  |   |
| Nashville, Tennessee .....                           | 268                              | 19,230.55   |
| Texas School for the Blind                           |                                  |   |
| Austin Texas .....                                   | 258                              | 18,512.99   |
| Criss Cole Rehabilitation Center                     |                                  |   |
| Austin, Texas .....                                  | 12                               | 861.07  |
| Texas Education Agency                               |                                  |   |
| Austin, Texas .....                                  | 813                              | 58,337.46   |
| Utah School for the Blind                            |                                  |   |
| Ogden, Utah .....                                    | 64                               | 4,592.37  |
| Utah State Department of Public Instruction          |                                  |   |
| c/o Utah School for the Blind                        |                                  |   |
| Ogden, Utah .....                                    | 40                               | 2,870.24  |
| Vermont State Department of Education                |                                  |   |
| Montpelier, Vermont .....                            | 57                               | 4,090.08  |
| Virginia School for the Deaf and the Blind           |                                  |   |
| Staunton, Virginia .....                             | 130                              | 9,328.25  |
| Virginia School at Hampson                           |                                  |   |
| Hampton, Virginia .....                              | 84                               | 6,027.48  |
| Virginia Commission for the Visually Handicapped     |                                  |   |
| Richmond, Virginia .....                             | 61                               | 4,377.11  |
| Virginia State Board of Education                    |                                  |   |
| c/o Virginia Commission for the Visually Handicapped |                                  |   |
| Richmond, Virginia .....                             | 324                              | 23,248.87   |
| Washington State School for the Blind                |                                  |   |
| Vancouver, Washington .....                          | 112                              | 8,036.65  |
| Washington State Department of Public Instruction    |                                  |   |
| Olympia, Washington .....                            | 281                              | 20,163.38   |
| West Virginia Schools for the Deaf and the Blind     |                                  |   |
| Romney, West Virginia .....                          | 95                               | 6,816.80  |
| Colin Anderson Center                                |                                  |   |
| St. Marys, West Virginia .....                       | 22                               | 1,578.63  |
| West Virginia State Department of Education          |                                  |   |
| Charleston, West Virginia .....                      | 153                              | 10,978.64   |
| Wisconsin School for the Visually Handicapped        |                                  |   |
| Janesville, Wisconsin .....                          | 133                              | 9,543.52  |
| Wisconsin State Department of Public Instruction     |                                  |   |
| Madison, Wisconsin .....                             | 176                              | 12,629.01   |
| Wyoming State Department of Education                |                                  |   |
| Cheyenne, Wyoming .....                              | 48                               | 3,444.28  |
| National Children's Center, Inc.                     |                                  |   |
| Washington, D.C. ....                                | 15                               | 1,076.34  |
| District of Columbia Public Schools                  |                                  |   |
| Washington, D.C. ....                                | 117                              | 8,395.43  |
| Canal Zone Division of Schools                       |                                  |   |
| Balboa Heights, Canal Zone .....                     | -0-                              | -0-   |
| Instituto Loaiza Cordero para Ninos Ciegos           |                                  |   |
| Santurce, Puerto Rico .....                          | 99                               | 7,103.82  |
| Department of Social Services                        |                                  |   |
| Hato Rey, Puerto Rico .....                          | 3                                | 215.27  |
|  | 22,702                           | \$1,629,000.00  |











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